

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/540,162
Applicant: : Andreas Schuetze et al.
Filed: : December 23, 2005
Title: : "VACUUM ARC SOURCE WITH DEVICE FOR GENERATING A
MAGNETIC FIELD"

tc/a.u. : 1753
Conf. No. : 3597

Cust. No. : 00116
Docket No. : 38300

THIRD LETTER REQUESTING CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir/Madam:

This is the third request for a corrected filing receipt. Enclosed is a copy of the Filing Receipt (with correction written in) for the above-identified patent application, dated April 25, 2006. The receipt contains an error in the "Title" section of the receipt. The title should read the same as the title on the corresponding PCT application. A copy of the cover page of the PCT application is enclosed.

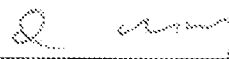
The title should read "VACUUM ARC SOURCE WITH DEVICE FOR GENERATING A
MAGNETIC FIELD"

Also enclosed is a copy of our two previous requests dated May 3, 2006 and October 9, 2006.

Please issue a corrected filing receipt for this application and forward the same to the undersigned attorney of record.

If there are any further fees resulting from this communication not covered by the enclosed check,
or if no check was enclosed, please charge the same to Deposit Account No. 16-0820, Order No.38300.

Respectfully submitted,
PEARNE & GORDON LLP

By 
Michael W. Garvey, Reg. No. 35878

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September 17, 2007

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
8. Juli 2004 (08.07.2004)

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30. Oktober 2003 (30.10.2003)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
2163/02 19. Dezember 2002 (19.12.2002) CH

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(72) Erfinder; und

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A-6800 Feldkirch (AT).

(74) Gemeinsamer Vertreter: UNAXIS BALZERS AG;
Patentabteilung, FL-9496 Balzers (LI).

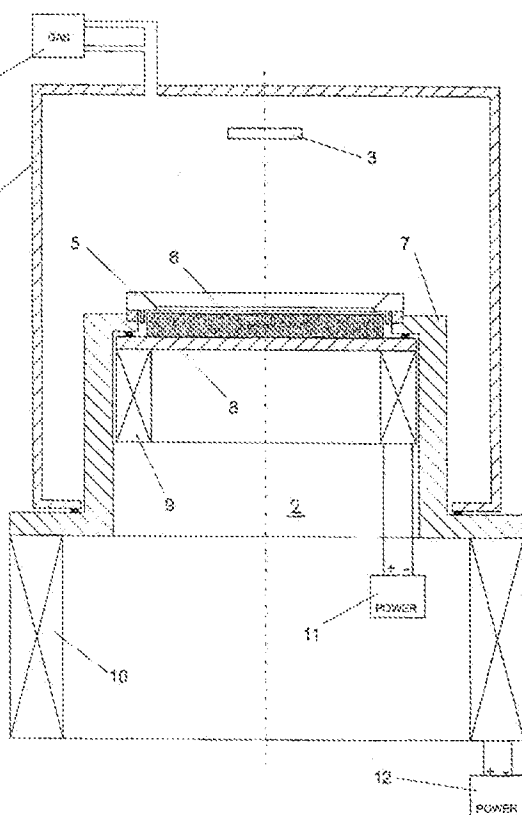
(81) Bestimmungsstaaten (national): AE, AG, AL, AM, AT,
AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE,
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(84) Bestimmungsstaaten (regional): ARIPO-Patent (BW,
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM,

[Fortsetzung auf der nächsten Seite]

(54) Title: VACUUM ARC SOURCE COMPRISING A DEVICE FOR GENERATING A MAGNETIC FIELD

(54) Bezeichnung: VACUUMARCQUELLE MIT MAGNETFELDERZEUGUNGSEINRICHTUNG



(57) Abstract: The invention relates to a vacuum arc source and to a method for operating the same, said source comprising a target with a surface for operating an arc discharge. The target is arranged in the range of influence of a device for generating a magnetic field, said device comprising at least two magnetic systems of opposite polarity and being embodied in such a way that the component B_z which is perpendicular to the surface and pertains to the resulting magnetic field has essentially constantly low values over a large part of the surface or has a value equal to zero.

(57) Zusammenfassung: Offenbart wird eine Vakuumarcquelle sowie ein Verfahren zu deren Betrieb, umfassend ein Target mit einer Oberfläche zum Betreiben einer Lichtbogenentladung, wobei das Target im Wirkungsbereich einer Magnetfelderzeugungsvorrichtung angeordnet ist, die, zumindest zwei entgegengesetzt gepolte Magnetsysteme umfasst und so ausgebildet ist, dass die senkrecht zur Oberfläche stehende Komponente B_z des resultierenden Magnetfelds über einen Grossteil der Oberfläche im wesentlichen konstant kleine Werte aufweist oder Null ist.

WO 2004/057642 A2



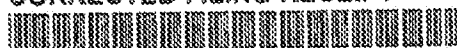
UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (S) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/540,162 ✓	12/23/2005 ✓	1753 ✓	2040	38300 ✓	16	32	1

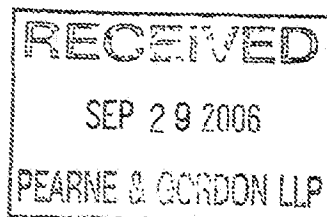
CONFIRMATION NO. 3597

CORRECTED FILING RECEIPT



OC000000020587782

116
PEARNE & GORDON LLP
1801 EAST 9TH STREET
SUITE 1200
CLEVELAND, OH 44114-3108



Date Mailed: 09/26/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Andreas Schuetze, Marina del Rey, CA; ✓
Christian Wohlrab, Feldkirch, AUSTRIA; ✓

Assignment For Published Patent Application

Unaxis Balzers Ltd., Balzers, LIECHTENSTEIN ✓

Power of Attorney: The patent practitioners associated with Customer Number 116.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/CH03/00710 10/30/2003 ✓

Foreign Applications

SWITZERLAND 2153/02 12/19/2002 ✓

If Required, Foreign Filing License Granted: 08/23/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/540,162**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

FOR

Vacuum arc source with device generating a magnetic field
 VACUUM ARC SOURCE WITH DEVICE FOR GENERATING A
 MAGNETIC FIELD

Preliminary Class

204

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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11/11

Receipt

PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/540,162
Applicant: : Andreas Schuetze et al.
Filed: : December 23, 2005
Title: : "VACUUM ARC SOURCE WITH DEVICE FOR GENERATING
A MAGNETIC FIELD"

tc/a.u. : 1753
Conf. No. : 3597

Cust. No. : 00116
Docket No. : 38300

LETTER REQUESTING CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir/Madam:

Enclosed is a copy of the Filing Receipt (with correction written in) for the above-identified patent application, dated April 25, 2006. The receipt contains an error in the "Title" section of the receipt.

The title should read "VACUUM ARC SOURCE WITH DEVICE FOR GENERATING A MAGNETIC FIELD"

A copy of letter requesting this correction dated May 3, 2006 is enclosed.

Please issue a corrected filing receipt for this application and forward the same to the undersigned attorney of record.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Office of Initial Patent Examination, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Michael W. Garvey
Name of Attorney for Applicant(s)
10-09-2006
Date
Signature of Attorney

If there are any further fees resulting from this communication not covered by the enclosed check, or if no check was enclosed, please charge the same to Deposit Account No. 16-0820, Order No.38300.

Respectfully submitted,
PEARNE & GORDON LLP

By 

Michael W. Garvey, Reg. No. 35878

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Cleveland, Ohio 44114-3108
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October 9, 2006



1753
JFK
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/540,162
Applicant: : Andreas Schuetze et al.
Filed: : December 23, 2005
Title: : "VACUUM ARC SOURCE WITH DEVICE FOR PRODUCING A
MAGNETIC FIELD"

to/a.u. : 1753
Conf. No. : 3597

Cust. No. : 00116
Docket No. : 38300

LETTER REQUESTING CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir/Madam:

Enclosed is a copy of the Filing Receipt (with correction written in) for the above-identified patent application, dated April 25, 2006. The receipt contains an error in the "Applicant(s)" section of the receipt and in the title section. The first inventor's information should read as follows:

Andreas Schuetze, Marina del Rey, CA, USA

The title should read ""VACUUM ARC SOURCE WITH DEVICE FOR GENERATING A
MAGNETIC FIELD"

A copy of the Application Data Sheet submitted on December 21, 2005 showing the correct information is also enclosed.

Please issue a corrected filing receipt for this application and forward the same to the undersigned attorney of record.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Office of Initial Patent Examination, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Michael W. Garvey
Name of Attorney for Applicant(s)

05-03-2006
Date

Signature of Attorney

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Respectfully submitted,
PEARNE & GORDON LLP

By 
Michael W. Garvey, Reg. No. 35878

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May 3, 2006